OMPD3000HD.book Page i Tuesday, September 5, 2006 9:08 PM

SPECTRONIQ

PD-3000 HD

Progressive Scan DVD Player with HD Up-Conversion

User's Manual

OMPD3000HD.book Page ii Tuesday, September 5, 2006 9:08 PM

Spectroniq PD-3000 HD Progressive Scan DVD Player with HD Up-Conversion User's Manual.

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Specifications are subject to change without notice.

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Printed in China

OMPD3000HD.book Page i Tuesday, September 5, 2006 9:08 PM

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatuses (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug.

   A polarized plug has two blades, one wider than the other.

   A grounding-type plug has two blades and a third grounding prong.

   The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, the apparatus does not operate normally, or the apparatus has been dropped.
15. To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
16. Do not expose apparatus to dripping or splashing and do not place objects filled with liquid on the apparatus.
17. Only use apparatus with battery specified by manufacturer.

Product Cautions

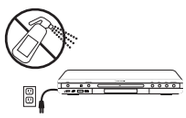
TO PREVENT POSSIBLE DANGER, ELECTRIC SHOCK, AND INJURY WHEN HANDLING YOUR DVD PLAYER, PLEASE BE AWARE OF ALL WARNINGS AND SAFETY PRECAUTIONS LISTED BELOW.

Never spill any liquid of any kind on the player.

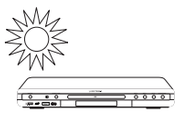
Never insert anything into the device, where objects can come into contact with high voltage nodes or damage internal components.

Do not attempt to service the player yourself. Opening or removing covers exposes high voltage nodes and other hazards. Refer all servicing to qualified service personnel.

Do not touch the player during thunderstorms. Unplug the player during thunderstorms or if it will not be used for extended periods. Failure to do so may result in electric shock or fire.



Before cleaning the player, turn it off and unplug it from the wall. Use a damp cloth for cleaning. Never use liquid or aerosol cleaners.



To prevent overheating and ensure reliable operation, place the player only in a well ventilated location. Avoid cramped or inadequately ventilated locations.

Note: Read all safety and operating instructions before operating your new DVD player.

CAUTION: Laser radiation when open. Do not stare into beam.

Explanation of Warning Symbols

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated, dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Conformity and Compliance

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception (this can be determined by turning the device off and on), the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution:

To comply with the limits for an FCC Class B computing device, the user should use the shielded signal cable and power cord supplied with the unit. The FCC warns that changes or modifications of the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Radio Frequency Interference Statement

Warning:

This is a Class B product. In a domestic environment this product may cause radio interference, in which case the user may be required to take adequate measures.

UL Mark and Statement

This device is a UL Listed product. UL has found that representative samples of this product met UL's safety requirements.

Canadian DOC Notice for Class B Computing Devices

This digital apparatus does not exceed the Class B limits for radio noise emissions from a digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

OMPD3000HD.book Page iv Tuesday, September 5, 2006 9:08 PM

OMPD3000HD.book Page v Tuesday, September 5, 2006 9:08 PM

Table of Contents

Introduction 1
Features 1
Unpacking Your New DVD Player 2
Connecting to Other Devices 3
Connecting to a Display Using HDMI 3
Connecting to a Display Using Component Video 3
Connecting to a Display Using S-Video 4
Connecting to a Display Using Composite Video 4
Connecting to an Audio System 5
Operating the System. 6
Turning the System On and Off 6
Inserting a Disc 6
Adjusting the Volume 6
Understanding the Readout 6
Bringing Up the On-Screen Display 7
Accessing the Setup Menu 7
Using the Remote Control 8
Replacing the Remote Batteries 11
Playing DVDs 12
The On-Screen Display 12
Navigating Menus 12
Controlling Playback 12
Selecting the Audio Channel 12
Selecting the Subtitle Channel 12
Repeating Chapters. 12
Repeating an Arbitrary Section 12
Searching to a Specified Location 13
Bookmarking Locations 13
Playing Video CDs 14
The On-Screen Display 14
Using Playback Control 14
Navigating Menus 14
Controlling Playback 14
Repeating Tracks 14
Repeating an Arbitrary Section 15
Searching to a Specified Location 15
Bookmarking Locations 15
Playing Audio CDs. 16
The On-Screen Display 16
Controlling Playback 16
Repeating Tracks 16
Repeating an Arbitrary Section 16
Searching to a Specified Location 16
Bookmarking Locations 17
Playing Media on Data CDs 18
Controlling Playback 18
The On-Screen Display 18
Navigating the Directory Structure 18

OMPD3000HD.book Page vi Tuesday, September 5, 2006 9:08 PM

Repeating Tracks 18
Manipulating Images. 18
Using Slideshow Transition Effects 19
Kodak Picture CDs 19
Configuring the Player. 20
Language 20
Video 21
Audio 22
Rating 23
Misc. 23
Troubleshooting 24
Support Information 25
Specifications 26
General 26
Video 26
Audio 26
Limited Warranty 27

OMPD3000HD.book Page 1 Tuesday, September 5, 2006 9:08 PM

Introduction

Congratulations on purchasing your new Spectroniq Progressive Scan DVD Player with HD Up-Conversion!

Your new high definition DVD player offers a wide range of features. In addition to playing video, it can play music and photo CDs so you can listen to music or browse photo albums using your television set.

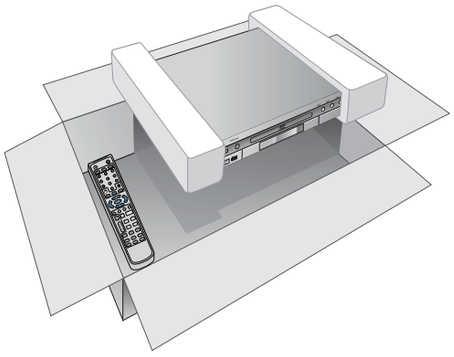
With HDMI, component, S-Video, and composite video outputs, you can connect the player to any display. And progressive scan video output capability provides the highest video quality available.

Features

- High quality HDMI output
- Progressive scan component video output
- 5.1 channel audio output
- Digital coaxial and optical audio outputs
- 24-bit, 96kHz digital audio converters for high fidelity sound
- Dolby Digital surround sound
- Fully compatible with DVD, DVD+R/RW, Audio CD, Video CD, Super Video CD, Kodak Picture CD, CD-ROM, and CD-R/RW media
- Displays JPEG images stored on data CDs
- Plays MP3 and WMA files stored on data CDs

Unpacking Your New DVD Player

Before setting up your new DVD player, you should unpack the contents of the box and check to make sure everything is present and undamaged.



To unpack the system:

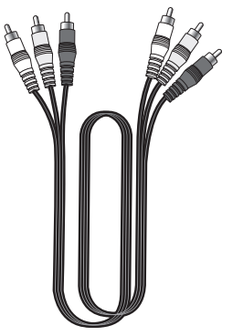
1. Open the box.
2. Remove the player and styrofoam pads.
3. In addition to the player, the box should contain the items indicated below. If anything is missing or damaged, contact the seller immediately.

Accessories

Remote Control

2 AAA Batteries

Audio/Video Cable



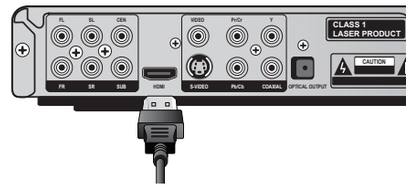
User's Manual

Connecting to Other Devices

Before using your DVD player for the first time, you will need to connect it to a display. In addition, you may want to connect the player to a separate audio system.

Connecting to a Display Using HDMI

The HDMI output on your DVD player provides the highest quality video available.

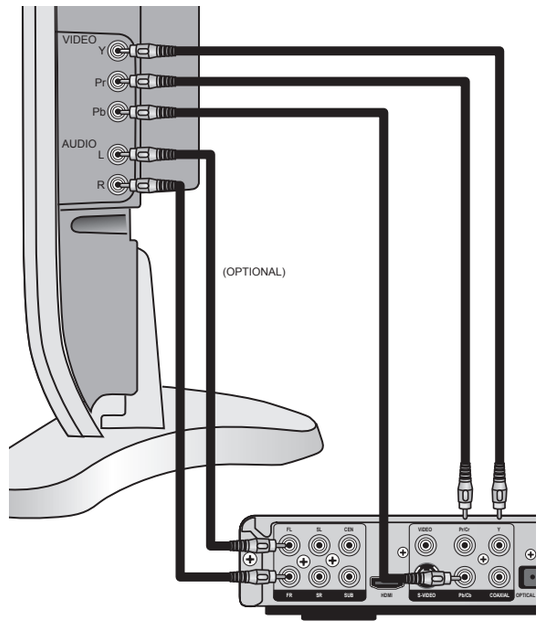


To connect to a display using HDMI:

1. Use an HDMI cable to connect the HDMI output on the player to the HDMI input on the display.
2. (OPTIONAL) To connect the audio output to the display as well, use two RCA cables to connect the front left (FL) and front right (FR) audio jacks on the rear of the player to the display's audio input.
3. Select **HD** as the Video Out setting under the Video setup menu on the player (see "Configuring the Player" on page 20).
4. Select the desired video resolution by setting HD Resolution under the Video setup menu.
5. Select the appropriate Aspect Ratio, View Mode, and TV System settings under the Video setup menu.

Connecting to a Display Using Component Video

The component video output on your DVD player provides very high quality video.



To connect to a display using component video:

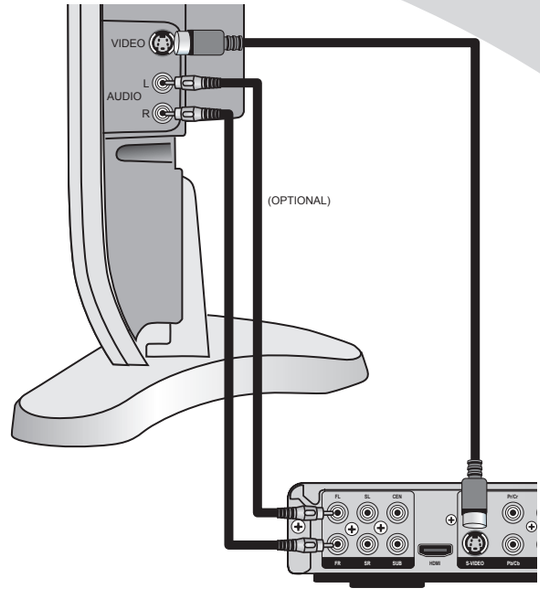
1. Use three RCA cables to connect the Y, Pb/Cb, and Pr/Cr jacks on the rear of the player to the corresponding component video inputs on the display.
2. (OPTIONAL) To connect the audio output to the display as well, use two RCA cables to connect the front left (FL) and front right (FR) audio jacks on the rear of the player to the display's audio input.
3. If your display supports progressive scan component video, select **P-Scan** as the Video Out setting under the Video setup menu on the player (see "Configuring the Player" on page 20).

   Otherwise, select **Component** as the Video Out setting, for interlaced video output.
4. Select the appropriate Aspect Ratio, View Mode, and TV System settings under the Video setup menu.

OMPD3000HD.book Page 4 Tuesday, September 5, 2006 9:08 PM

Connecting to a Display Using S-Video

S-Video provides better image quality than composite video, but lower image quality than component video. It is available on most displays.



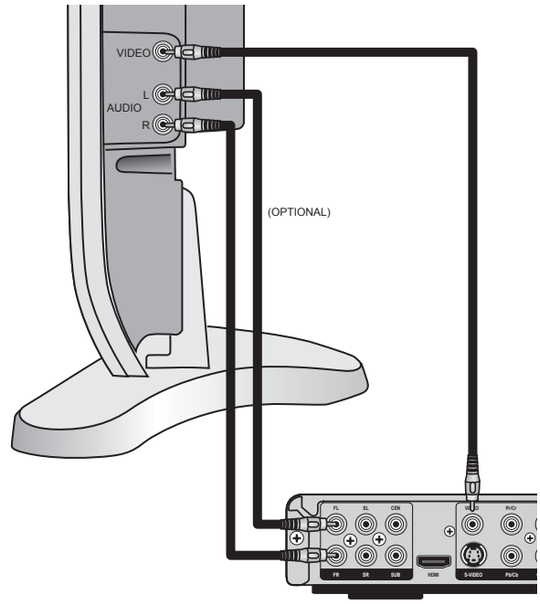
Note: The pins used in S-Video connectors are fragile. Use care when handling S-Video cables to avoid bending or breaking pins.

To connect to a display using S-Video:

1. Using an S-Video cable, connect the S-VIDEO output on the player to the S-Video input on the display.
2. (OPTIONAL) To connect the audio output to the display as well, use two RCA cables to connect the front left (FL) and front right (FR) audio jacks on the rear of the player to the display's audio input.
3. Select **S-Video** as the Video Out setting under the Video setup menu on the player (see "Configuring the Player" on page 20).
4. Select the appropriate Aspect Ratio, View Mode, and TV System settings under the Video setup menu.

Connecting to a Display Using Composite Video

Composite video, though the lowest quality of the three video outputs on the player, is the most common format and so can be found on just about any display.



To connect to a display using composite video:

1. Using the included audio/video cable (see the accessories on page 2), connect one yellow RCA connector to the composite video input on the display, and attach the other yellow RCA connector to the yellow VIDEO jack on the rear of the player.
2. (OPTIONAL) To connect the audio output to the display as well, use the red (right) and white (left) RCA connectors on the included audio/video cable to connect the front right (FR) and front left (FL) audio jacks on the rear of the player to the display's audio input.
3. Select the appropriate Aspect Ratio, View Mode, and TV System settings under the Video setup menu (see "Configuring the Player" on page 20).

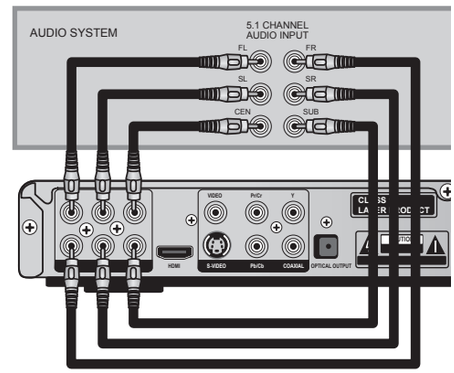
OMPD3000HD.book Page 5 Tuesday, September 5, 2006 9:08 PM

Connecting to an Audio System

There are several different outputs that can be used to connect to an external audio system, analog and digital.

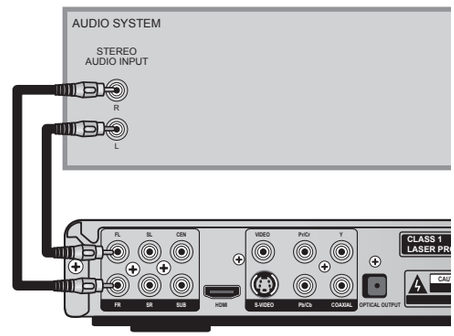
To connect to an audio system using 5.1 channel analog audio:

Use six RCA cables to connect the 5.1 channel audio jacks on the rear of the player (FL—front left, FR—front right, SL—side left, SR—side right, CEN—center, and SUB—subwoofer) to the corresponding inputs on the audio system.



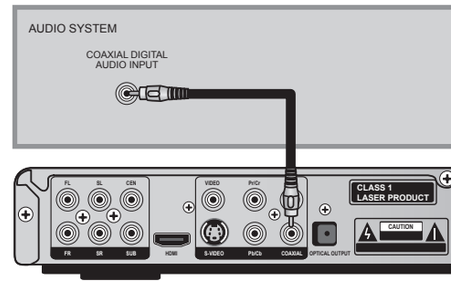
To connect to an audio system using stereo analog audio:

Use two RCA cables to connect the front left (FL) and front right (FR) audio jacks on the rear of the player to a stereo input on the audio system.



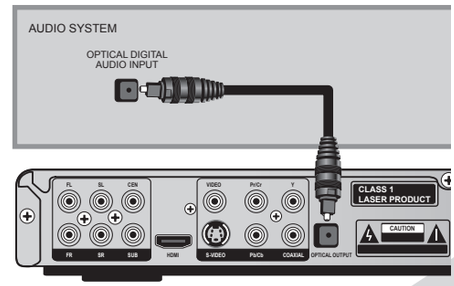
To connect to an audio system using coaxial digital audio:

1. Use a digital coaxial cable to connect the COAXIAL output on the player to a coaxial S/PDIF audio input on the audio system.
2. Select the appropriate Digital Output setting under the Audio setup menu on the player (see "Configuring the Player" on page 20).



To connect to an audio system using optical digital audio:

1. Use a TOSLINK™ cable to connect the OPTICAL output on the player to an optical S/PDIF audio input on the audio system.
2. Select the appropriate Digital Output setting under the Audio setup menu on the player (see "Configuring the Player" on page 20).



Operating the System

Turning the System On and Off

Once the player is connected to a power outlet, turn the player on and off by pressing the power button on the player.

When the power button on the player is on, you can also press the power button on the remote to turn the player on and off.

Inserting a Disc

The receptacle for DVDs and CDs is located on the front of the player.

To insert a disc:

1. Press the eject button to open the receptacle.
2. Insert the disc, blank (data) side down.
3. Press the eject button to close the receptacle. The player will begin to play the disc.

Adjusting the Volume

Use the **MASTER VOLUME** buttons on the remote to adjust the player's output volume.

Understanding the Readout

The readout on the front of the player displays information about the current disc and playback. The following is a description of each of the indicators on the readout.

Indicator	Indication
Number Display	DVDs, Audio CDs, Video CDs, MP3 CDs: The current playback time Picture CDs: The current image number
DVD/VCD	The current disc type: • DVD—DVD or DVD±R/RW • VCD—Video CD
►	The player is playing the current disc.
II	The current disc is paused.
MP3/MP4	The type of the current file being played on a data CD: • MP3—MPEG Layer 3 • MP4—MPEG-4
dts	DTS multi-channel sound is enabled.
DD	Dolby Digital multi-channel sound is enabled.

OMPD3000HD.book Page 7 Tuesday, September 5, 2006 9:08 PM

Bringing Up the On-Screen Display

The On-Screen Display (OSD) gives information about the current disc and playback. To bring up the OSD, press the **DISPLAY** button on the remote.

Accessing the Setup Menu

The Setup menu allows you to configure the operation of the player. You can change video, audio, and language settings, control access to mature programming, and configure other general behavior. See “Configuring the Player” on page 20 for more information. To access the Setup menu, press the **SETUP** button on the remote.

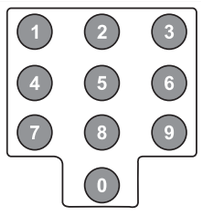
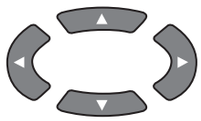
Using the Remote Control

The remote control can be used to control every aspect of the player's operation and includes more functionality than the controls on the player itself.

The following is a list of all buttons on the remote and their functions.

Button	Function
	Turns the player on and off.
	Selects sound processing for the type of audio being played: Off (no processing), Classical, Rock, Jazz, or Pop.
	Opens and closes the disc receptacle.
	Brings up the bookmark display, which allows you to save locations on the current disc so you can return to them later.

OMPD3000HD.book Page 9 Tuesday, September 5, 2006 9:08 PM

Button	Function
	Plays the chapters (DVDs) or tracks (audio CDs and Video CDs) on a disc in random order.
	Selects the high quality video output used by the player: S-Video, Component, P-Scan, or HD (see “Video Out” on page 21).
	Used to enter numbers.
	Brings up the search display, which you can use to skip to a specified location.
	Brings up the program display, which allows you to program playback sequence. Also turns off playback control (PBC) on Video CDs.
	When playing a DVD, this button returns to the previous menu.
	When playing a DVD, this button returns to the menu. When viewing a DVD menu, this button resumes DVD playback.
	Brings up the Setup menu and pauses playback.
	Used to navigate menus and displays.
	Confirms the current selection or entry.
	Changes the filming angle when playing back a multi-angle DVD.
	Cycles through the available audio channels on a DVD.
	Cycles through the available subtitle channels on a DVD.
	Displays the title menu on a DVD.
	Mutes the audio.
	Adjusts the audio volume.

OMPD3000HD.book Page 10 Tuesday, September 5, 2006 9:08 PM

Button	Function
	Stops playback. Press twice to completely stop a disc.
	When in normal play mode, this button pauses and resumes playback.
	Returns to the previous chapter, track, or photo.
	Skips to the next chapter, track, or photo.
	Reverses DVD or CD playback. Pressing this button repeatedly cycles through the reverse speeds.
	Fast forwards the DVD or CD. Pressing this button repeatedly cycles through the fast forward speeds.
	Zooms in on the picture. Pressing this button repeatedly cycles through the zoom levels.
	Slows down the playback speed of a DVD. Pressing this button repeatedly cycles through the available speeds.
	Steps forward one frame at a time.
	Cycles through the available audio languages on a DVD.
	Cycles through the available repeat modes.
	Marks an arbitrary section to be repeated.
	Brings up the On-Screen Display (OSD), which shows current playback information.
	When playing a Video CD, turns playback control (menu play) on and off. When playback control is on, any menu on the disc will display when the player begins playing the disc, and the menu will be accessible by pressing **RETURN**. When off, playback will begin with the first track, and the menu will not be available.
	Erases an entry.

Note: If a circle with a slash through it, accompanied by a message, appears upon pressing a button on the remote, it means that the button you have pressed does not function in the current mode or for the disc in the player.

OMPD3000HD.book Page 11 Tuesday, September 5, 2006 9:08 PM

Replacing the Remote Batteries

The remote requires two AAA batteries, which are held in a small enclosure on the rear of the remote.

To replace the batteries:

1. Slide the cover off the bottom of the remote.
2. Remove the old batteries and replace them with the new batteries. Ensure the batteries are oriented as indicated in the enclosure.
3. Slide the cover back onto the remote.

Playing DVDs

DVDs will play upon insertion. The player can perform all standard DVD playback and search functions.

The On-Screen Display

The DVD OSD (press **DISPLAY**) shows the current playback time, time remaining, current title and chapter, current audio and subtitle channel, current camera angle, and video bitrate.

Navigating Menus

When in a DVD menu, use the arrow controls to navigate, and press **ENTER** to select an item.

Press **MENU** to return to the previous menu.

Controlling Playback

When playing a DVD, use the following keys to navigate:

Press ■ to stop the DVD at the current location. Press ■ a second time to stop the DVD completely.

When the DVD is playing, press ▶II to pause it.

Press ⏮ to return to the previous chapter.

Press ⏭ to skip to the next chapter.

Press ◀◀ to fast reverse the DVD. Press ▶▶ to fast forward the DVD. Repeated presses cycle through the speed options: 2×, 4×, 8×, or 16×.

Press **SLOW** to play the video at a slower speed. Repeated presses cycle through the speed options: ×1/2, ×1/4, ×1/6, and ×1/8.

Press ▶II to return to normal play mode or to start playing the DVD again when it is stopped or paused.

Press **MENU** to return to the DVD menu.

Selecting the Audio Channel

Press **AUDIO** to cycle through the available audio channels.

Selecting the Subtitle Channel

Press **SUBTITLE** to cycle through the available subtitle languages.

Repeating Chapters

Press **REPEAT** to cycle through the repeat options: the current chapter, the current title, and off.

Repeating an Arbitrary Section

You can repeat an arbitrary section of video using the **A-B** button.

To repeat an arbitrary selection:

1. Press **A-B** to mark the beginning of the section to be repeated.
2. Press **A-B** again the mark the end of the section.

OMPD3000HD.book Page 13 Tuesday, September 5, 2006 9:08 PM

The section will begin repeating and will continue until you press **A-B** again.

Searching to a Specified Location

You can skip to a specified title and chapter or time using the **SEARCH** button.

To search to a chapter, title, or time:

1. Press **SEARCH** once to bring up the Search display.
2. Press ▲ and ▼ to select **Chapter**, **Title**, or **Time**.
3. Enter the desired location using the keypad on the remote.
4. Press **ENTER** to search to the specified location.

To exit the Search display without going to a location, press **SEARCH** once more.

Bookmarking Locations

You can save up to three locations on the CD and then jump to them later using the **BOOKMARK** button.

To bookmark a location:

1. Press **BOOKMARK** to bring up the Bookmark display.
2. Select an empty bookmark by pressing ▲ and ▼.
3. Press **ENTER**.

To jump to a saved bookmark:

1. Press **BOOKMARK** to bring up the Bookmark display.
2. Select the desired bookmark by pressing ▲ and ▼.
3. Press **ENTER**.

To erase a bookmark:

1. Press **BOOKMARK** to bring up the Bookmark display.
2. Select the bookmark to be cleared by pressing ▲ and ▼.
3. Press **CLEAR**.

Playing Video CDs

Video CDs can contain video or still images, such as photos. Your portable DVD player will play all standard Video CD formats.

Upon insertion, the player will read and begin to play the CD.

If there is a menu on the CD, it will appear, allowing you to navigate through the tracks stored on the CD. Otherwise, the player will begin playing the video back beginning with the first track.

If the CD contains still pictures, the player will display them as a slideshow.

The On-Screen Display

The Video CD OSD (press **DISPLAY**) shows the Video CD type, current playback time, and time remaining.

Using Playback Control

Pressing **PBC** turns playback control (menu play) on and off.

When playback control is on, any menu on the disc will display when the player begins playing the disc, and the menu will be accessible by pressing **RETURN**.

When playback control is off, playback will begin with the first track, and the menu will not be available.

Navigating Menus

Press ⏮ and ⏭ to scroll through menu pages.

To view an item, enter its number on the keypad and then press **ENTER**.

Note: To view an item, the menu page containing the item must be visible before you enter the item's number.

Controlling Playback

Press ⏭ to move to the next track or image.

Press ⏮ to return to the previous track or image.

Press ◀◀ to fast reverse the video. Press ▶▶ to fast forward the video. Repeated presses cycle through the speed options: 2×, 4×, 8×, or 16×.

Press **SLOW** to play the video at a slower speed. Repeated presses cycle through the speed options: ×1/2, ×1/4, ×1/6, and ×1/8.

Press ▶II to pause the video or slideshow.

Press ■ once to stop playback. Press ■ a second time to completely stop the disc.

Press ▶II to return to normal play mode or to start playing the disc again when it is stopped.

Press **RETURN** to return to the menu.

Repeating Tracks

Press **REPEAT** to cycle through the repeat options: the current track, all tracks on the disc, and off.

OMPD3000HD.book Page 15 Tuesday, September 5, 2006 9:08 PM

Repeating an Arbitrary Section

You can repeat an arbitrary section of video using the **A-B** button.

To repeat an arbitrary selection:

1. Press **A-B** to mark the beginning of the section to be repeated.
2. Press **A-B** again the mark the end of the section.

The section will begin repeating and will continue until you press **A-B** again.

Searching to a Specified Location

You can skip to a specified time using the **SEARCH** button.

To search to a time:

1. Press **SEARCH** once to bring up the Search display.
2. Enter the desired time using the keypad on the remote.
3. Press **ENTER** to search to the specified location.

To exit the Search display without going to a location, press **SEARCH** once more.

Bookmarking Locations

You can save up to three locations on the CD and then jump to them later using the **BOOKMARK** button.

To bookmark a location:

1. Press **BOOKMARK** to bring up the Bookmark display.
2. Select an empty bookmark by pressing ▲ and ▼.
3. Press **ENTER**.

To jump to a saved bookmark:

1. Press **BOOKMARK** to bring up the Bookmark display.
2. Select the desired bookmark by pressing ▲ and ▼.
3. Press **ENTER**.

To erase a bookmark:

1. Press **BOOKMARK** to bring up the Bookmark display.
2. Select the bookmark to be cleared by pressing ▲ and ▼.
3. Press **CLEAR**.

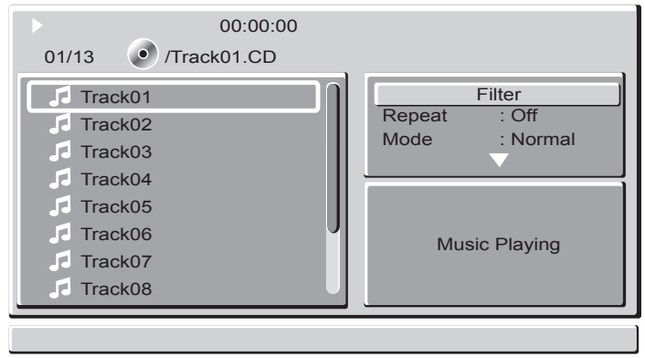
Playing Audio CDs

Audio CDs will play upon insertion. All standard Audio CD navigation features are available.

The On-Screen Display

The Audio CD OSD displays a list of tracks on the disc. Select a track and press **ENTER** to play it back.

Press ▶ to access the options on the right of the screen. Use ▲ and ▼ to highlight an option, then press **ENTER** to select or change it.



Controlling Playback

Press ▶II to pause playback.

Press ■ once to stop CD playback at the current location. Press ■ a second time to stop CD playback completely.

Press ⏮ to return to the previous track.

Press ⏭ to skip to the next track.

Press ◀◀ to fast reverse the audio. Press ▶▶ to fast forward the audio. Repeated presses cycle through the speed options: 2×, 4×, 8×, or 16×.

Press ▶II to return to normal play mode or to start playing the disc again when it is stopped.

To skip directly to a track, enter the track number on the keypad and then press **ENTER**.

Repeating Tracks

Press **REPEAT** to cycle through the repeat options: the current track, all tracks on the disc, and off.

Repeating an Arbitrary Section

You can repeat an arbitrary section of audio using the **A-B** button.

To repeat an arbitrary selection:

1. Press **A-B** to mark the beginning of the section to be repeated.
2. Press **A-B** again the mark the end of the section.

The section will begin repeating and will continue until you press **A-B** again.

Searching to a Specified Location

You can skip to a specified time or track using the **SEARCH** button.

To search to a track or time:

1. Press **SEARCH** once to bring up the Search display.
2. Press ▲ and ▼ to select **Track**, **Time** (time in current track), or **Disc Time** (absolute time on disc).

OMPD3000HD.book Page 17 Tuesday, September 5, 2006 9:08 PM

3. Enter the desired location using the keypad on the remote.
4. Press **ENTER** to search to the specified location.

To exit the Search display without going to a location, press **SEARCH** once more.

Bookmarking Locations

You can save up to three locations on the CD and then jump to them later using the **BOOKMARK** button.

To bookmark a location:

1. Press **BOOKMARK** to bring up the Bookmark display.
2. Select an empty bookmark by pressing ▲ and ▼.
3. Press **ENTER**.

To jump to a saved bookmark:

1. Press **BOOKMARK** to bring up the Bookmark display.
2. Select the desired bookmark by pressing ▲ and ▼.
3. Press **ENTER**.

To erase a bookmark:

1. Press **BOOKMARK** to bring up the Bookmark display.
2. Select the bookmark to be cleared by pressing ▲ and ▼.
3. Press **CLEAR**.

Playing Media on Data CDs

Upon inserting an data CD, the player will begin playing any MP3, WMA, MPEG, or JPEG files stored on the disc..

Controlling Playback

Press ■ to stop playback.

Press ▶II to pause playback, then again to resume playback.

Press ⏮ to return to the previous file.

Press ⏭ to skip to the next file.

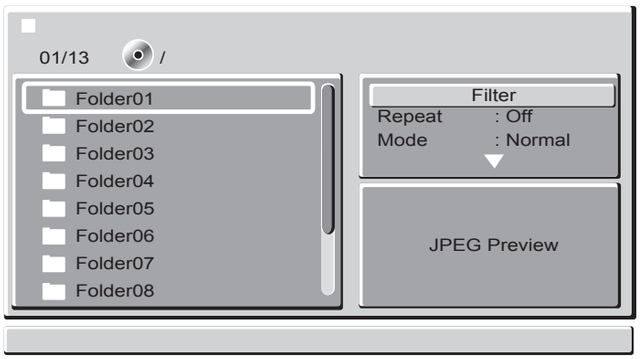
The On-Screen Display

Press **DISPLAY** to bring up the OSD. It differs depending on the type of file being played.

- For MPEG files, the OSD displays the current file number, total files, and current playback time.
- For JPEG files, the OSD displays the current file number, total files, and current file name.
- For MP3 or WMA files, the OSD displays the directory structure (see below).

Navigating the Directory Structure

The directory structure menu allows you to navigate and playback the files on the current disc. When playing MPEG or JPEG files, press ■ to bring up the directory structure. When playing MP3 files, the directory structure will display at all times.



Use the arrow controls to scroll through the files on the disc, and press **ENTER** to play back a file.

Press ▶ to access the options on the right of the screen. Use ▲ and ▼ to highlight an option, then press **ENTER** to select or change it.

Repeating Tracks

Press **REPEAT** to cycle through the repeat options: the current file, all files on the disc, and off.

Manipulating Images

When displaying JPEG images, you can change the orientation of the image by pressing the arrow keys:

- **Up/Down**—Flip around horizontal axis
- **Left**—Rotate 90° left
- **Right**—Rotate 90° right

OMPD3000HD.book Page 19 Tuesday, September 5, 2006 9:08 PM

Using Slideshow Transition Effects

To change the transition effect used for JPEG slideshows, press **ANGLE** repeatedly to cycle through the options:

- None
- Wipe Down
- Wipe Up
- Center In
- Center Out
- Vertical Blind Down
- Vertical Blind Up
- Random

Kodak Picture CDs

Kodak Picture CDs behave the same as data CDs containing JPEG files. All the same functions and menus are available.

Configuring the Player

The Setup menu allows you to configure the operation of the player. You can change video, audio, and language settings, control access to mature programming, and configure other general display behavior.

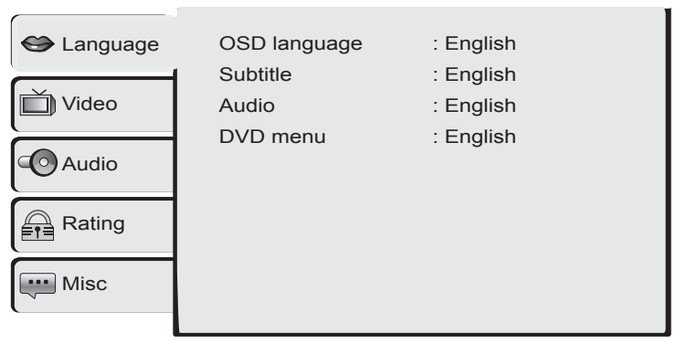
To use the Setup menu:

1. Press the **SETUP** button to bring up the menu.
2. Once the menu appears, use the ▲ and ▼ buttons to navigate the sub-menus listed at the side of the menu.
3. Press **ENTER** to enter a sub-menu. (Press ◄ repeatedly to leave a sub-menu.)
4. Press ▲ and ▼ to select an item.
5. Press the **ENTER** button to bring up a list of the available options.
6. Press ▲ and ▼ to select the desired option and then press **ENTER** to select it.
7. Press the **SETUP** button to exit the menu.

The following is a description of the contents of the Setup menu and their use.

Language

This menu allows you to change the language used by the player for menus, audio, and subtitles.



OSD Language

Changes the language of the Setup menu and the OSD, which displays information about the current media and settings. The options are English, French, and Spanish.

Subtitle

Changes the default language used for DVD subtitles. The options are English, French, Spanish, Auto, and Off.

Audio

Changes the default language used for DVD audio. The options are English, French, and Spanish.

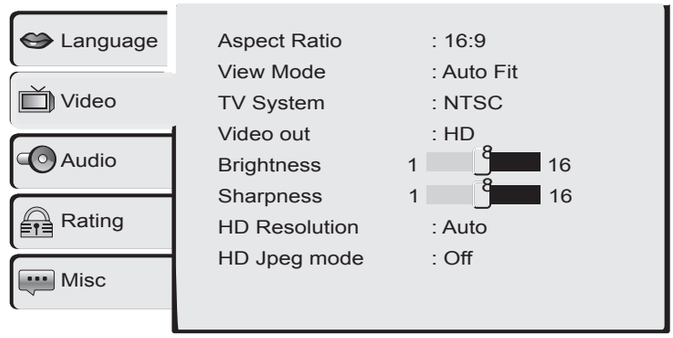
DVD Menu

Changes the default language used for DVD menus. The options are English, French, and Spanish.

OMPD3000HD.book Page 21 Tuesday, September 5, 2006 9:08 PM

Video

The Video menu allows you to change display parameters for the external display to which the player is connected.



Aspect Ratio

Selects the format used by the display:

- **4:3PS**—For 4:3 format displays: Crops wide format video to fit the 4:3 aspect ratio.
- **4:3LB**—For 4:3 format displays: Displays wide format video in letterbox format, with black bars at the top and bottom of the screen.
- **16:9**—For 16:9 format displays.

View Mode

Sets the video display mode for the selected display type:

- **Fill**—Fills the entire screen by stretching the video image.
- **Original**—Displays the video as it was recorded. Depending on the disc, there may be black bars along the top and bottom or the sides of the display.
- **Auto Fit**—Automatically fits the video to the screen format.
- **Pan Scan**—Uses pan and scan for 4:3 format displays, cropping the video so it fits the screen.

TV System

Selects the video format used by the disc being played:

- **NTSC**—A format used primarily in North and Central America
- **PAL**—A format used in various parts of the world, including Europe, Asia, South America, and the Middle East
- **Multi**—Automatically detects the video format

Video Out

The high quality video outputs (S-Video, component video, and HDMI) cannot be used simultaneously. This setting selects the high quality output(s) used by the player:

- **S-Video**
- **Component**—Interlaced component video
- **P-Scan**—Progressive scan component video
- **HD**—HDMI and component video (simultaneously)

Select the output you intend to use.

Brightness

Sets the image brightness.

Sharpness

Sets the image sharpness.

OMPD3000HD.book Page 22 Tuesday, September 5, 2006 9:08 PM

HD Resolution

When **Video Out** above is set to **HD**, this setting selects the video format for the HDMI and progressive scan component video outputs:

- **Auto**—Sets the output format based on the video being played back.
- **480p/576p**
- **720p**
- **1080i**
- **1024×768**
- **1360×768**

Note: The composite video output cannot be used when any setting other than Auto or 480p/576p is selected.

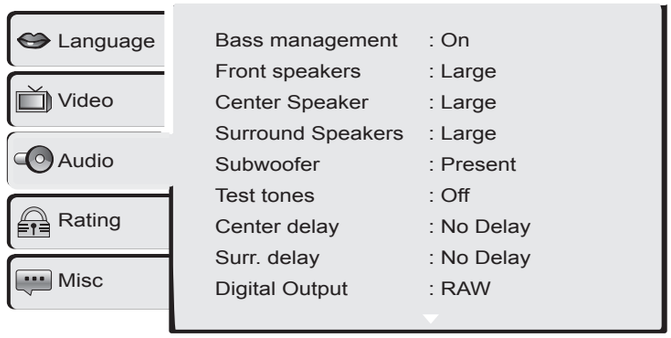
HD JPEG Mode

Enables the display of high resolution JPEG images at higher resolution when using the HDMI output.

Audio

This menu configures the player for your speaker setup.

Note: There are two pages to the Audio menu. Press ▼ at the bottom of the first page to access the second page.



Bass Management

Turns bass management on and off for better sounding bass.

Front Speakers

When bass management is enabled, sets the size of the front speakers: Small or Large.

Center Speaker

Turns the center speaker on and off. When bass management is enabled, this also allows you to select the size of the center speaker: Small or Large.

Surround Speakers

Turns the surround speakers on and off. When bass management is enabled, this also allows you to select the size of the surround speakers: Small or Large.

Subwoofer

Turns the subwoofer on and off.

Test Tones

Allows you to play a test tone through each of the speaker channels.

Center Delay

Delays the center speaker audio by up to 1.7 meters, in increments of one-third of a meter.

OMPD3000HD.book Page 23 Tuesday, September 5, 2006 9:08 PM

Surr. Delay

Delays the surround speaker audio by up to 5.1 meters, in increments of approximately 1 meter.

Digital Output

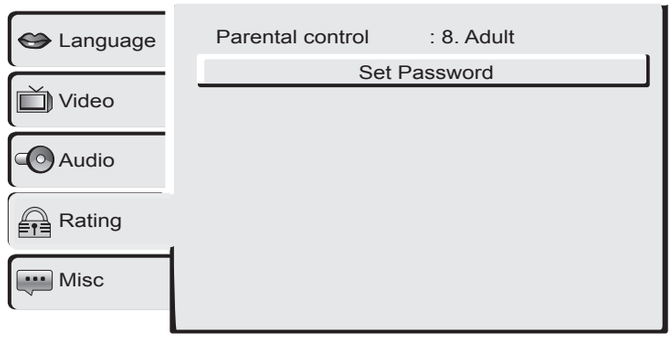
Sets the digital audio output format to RAW or PCM or turns the output off.

Smart Sound

Enables sound processing for different types of audio: Off (no processing), Classical, Rock, Jazz, or Pop.

Rating

The Rating menu configures access to mature content, allowing you to block mature content with a password.



Parental Control

Selects the content rating above which a password will be required:

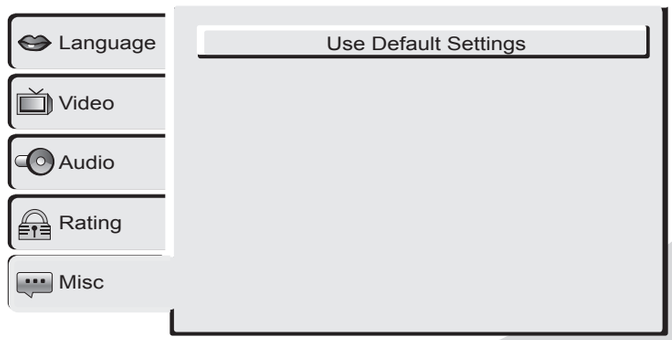
1. Kid Safe
2. G
3. PG
4. PG-13
5. PG-R
6. R
7. NC-17
8. Adult

Set Password

Sets the password for parental control. To change the password, select **Set Password**, press **ENTER**, enter the current password, and then press **ENTER** again. Then select **Set Password** a second time, press **ENTER**, enter the new password, and then press **ENTER** again.

Misc

The Misc menu contains general player settings that do not belong in the other categories.



Use Default Settings

Resets the player to factory settings. Select and press **ENTER**, then select **Yes** to reset or **No** to abort.

OMPD3000HD.book Page 24 Tuesday, September 5, 2006 9:08 PM

Troubleshooting

Symptom	Possible Cause	Resolution
Power does not come on	Power cord not securely connected	Make sure the power cable is firmly inserted into the wall outlet.
	Power outlet is off or not working	Try plugging a different device into the outlet and see if it turns on. If not, check that the outlet is on or use a different outlet.
	Player main power is off	Ensure the power button on the player itself is on.
No picture	Player is off	Press the power button on the player to turn the player on. Then, if needed, press the power button on the remote.
	No signal	Make sure the proper source is selected on the external display. If there is still no picture, check the signal cable(s) and ensure the player is on and working.
Display is too dark or too bright	Contrast or brightness too low or too high	Adjust the contrast and/or brightness to desired setting on the display.
Distorted image	Display format set incorrectly	Check that the correct display format is selected in the Setup menu (see “Video” on page 21).
Unclear or noisy picture	Signal cable(s) not securely connected	Make sure the signal cable(s) are firmly connected.
	Radio interference	Check for any electronic devices nearby that might be interfering with the video signal or the player’s operation.
No sound	Audio cable(s) not securely connected	Make sure the audio signal cable(s) are firmly connected.
	Audio muted	Unmute the audio by pressing the **MUTE** button on the remote.
	Audio settings set incorrectly	Check the audio settings in the Setup menu (see “Audio” on page 22).
Distorted sound	Audio settings set incorrectly	Check the audio settings in the Setup menu (see “Audio” on page 22).
	Audio cable(s) not securely connected	Make sure the audio signal cable(s) are firmly connected.

OMPD3000HD.book Page 25 Tuesday, September 5, 2006 9:08 PM

Symptom	Possible Cause	Resolution
Remote control not functioning	Batteries inserted improperly	Make sure the batteries are inserted and oriented properly.
	Battery low on energy	Replace the batteries.
	A button is stuck	Jog any stuck buttons on the remote to unstick them.
	Obstacle between remote and player	Remove the obstacle.
	The remote is too far from the player	Move closer to the player.
"Bad disc" displays upon disc insertion	Unreadable disc	Ensure disc is not scratched or dirty. Clean and re-insert as necessary.
	Disc format not supported	Ensure the disc has a format compatible with the player (see "Specifications" on page 26).

Note: Further troubleshooting information may be found on the Spectroniq website at www.spectroniq.com.

Support Information

Do not return this product to your retailer until you have performed the steps laid out in "Unpacking Your New DVD Player" on page 2 and contacted the customer service center. Merchandise may not be returned to Spectroniq without a return form authorization.

Before contacting Spectroniq customer service, please record the following information, which may be found on the rear of your DVD player:

- Model Number
- Serial Number

The Spectroniq customer service center may be contacted 24 hours a day, 7 days a week at the following number:

1-888-257-8899

Specifications

General

Player Dimensions—in. (mm)	14.2 (360) W × 1.7 (43) H × 9.7 (246) D
Weight	6.3lbs (2.9kg)
Playback Formats	DVD, DVD+R/RW, Audio CD, VCD, SVCD, Kodak Picture CD, CD-ROM, CD-R/RW, MP3, WMA, JPEG
Outputs	1 × composite video (RCA) 1 × S-Video 1 × progressive scan component video (RCA) 1 × HDMI 1 × digital coaxial audio (RCA) 1 × digital optical audio (TOSLINK) 1 × 5.1 channel audio (RCA)
Power Input	AC110–230V, 50–60Hz
Power Consumption	12W
Storage Temperature	0–60°C
Operating Temperature	5–45°C
Operating Humidity	10–90%

Video

Sample Rate	54MHz
Resolution	10 bits
Display Resolution	500 lines
S/N Ratio	>56dB
Harmonic Distortion	<0.5%

Audio

Max. Sample Rate	96kHz
Resolution	24 bits
Frequency Response	±3dB, 20Hz–20kHz
S/N Ratio	>90dB
Dynamic Range	>90dB
Channel Separation	>75dB
Harmonic Distortion	<0.1%

OMPD3000HD.book Page 27 Tuesday, September 5, 2006 9:08 PM

SPECTRONIQ

Limited Warranty

Spectroniq warrants this product to be free from manufacturing defects in material and workmanship under normal use for the period listed at the bottom of this document.

How to obtain service:

- Contact Customer Support at 1-888-257-8899. If the issue cannot be resolved over the phone with troubleshooting techniques, you may be eligible for warranty service. All warranties must be authorized by Spectroniq prior to service and will result in the issuance of an authorization number for service.
- Proof of purchase in the form of a bill of sale or receipted invoice with product name, model and serial number, which provides evidence that the product is within the warranty period, must accompany the product to obtain warranty service.

This warranty does not cover:

- Physical or cosmetic damages.
- Damage caused by abuse and/or neglect.
- Ordinary adjustments as outlined in the owners manual that can be performed by the customer.
- Damage to equipment not properly connected to the product.
- Any cost incurred in shipping the product for repair.
- Signal reception problems caused by external antenna, cable systems or interference.
- Incompatibility due to a change in TV/CATV broadcast systems after the product was sold.
- Batteries.
- Images burnt onto the screen.
- Initial installation and related adjustments.
- Power surge and/or damage by lightning.
- Force majeure or uncontrollable external force damage.
- Product shipped for service with inadequate packaging or packaging materials.

What we will do:

- Spectroniq will assess the product and cover all labor charges to repair your product.
- Spectroniq will provide new or, at our discretion, refurbished replacement parts required to repair your product.

This warranty is void if:

- Product is used in a commercial application or rental.
- Damaged through misuse, negligence or abuse.
- Modified or repaired by anyone other than authorized Spectroniq service center.
- Damaged because it is improperly connected to any other equipment.
- If the original proof of purchase cannot be supplied.
- If the identifiable markings on the product, such as serial number, are defaced, unrecognizable, or missing.
- The product is used outside the country in which it was originally sold.

OMPD3000HD.book Page 28 Tuesday, September 5, 2006 9:08 PM

This warranty is non-transferable and only applies to the original purchase. Any implied warranties, including the warranty of merchantability, are limited in duration to the period of this expressed warranty and no warranty whether expressed or implied shall apply to the product thereafter. Under no circumstance shall Spectroniq be liable for any loss or consequential damage arising out of the use of this product. This warranty gives specific legal right. However, you may have other rights that may vary from state/province to state/province. Some states/provinces do not allow limitations on implied warranties or exclusions of consequential damage. Therefore these restrictions may not apply to you.

90 days Labor and Parts

OMPD3000HD.book Page 29 Tuesday, September 5, 2006 9:08 PM

OMPD3000HD.book Page 30 Tuesday, September 5, 2006 9:08 PM

OMPD3000HD.book Page 31 Tuesday, September 5, 2006 9:08 PM

OMPD3000HD.book Page 32 Tuesday, September 5, 2006 9:08 PM

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PD-3000 HD

OMPD3000HD 2006.09.05